APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

Karlykov, D. M.
X-RAY INVESTIGATION OF THE SHORT DISTANCE ORDER OF LIQUID CADMIUM AMALGAMS. [1961]
[10]p. 9 refs.
Order from OTS or SLA $1.10 62-13393

Trans. of Ukrayins'kyi Fizychnyi Zhurnal (USSR) 1957, v. 2, no. 2, p. 43-48.

DESCRIPTORS: Liquids, *Cadmium, *Mercury alloys. Alloys, X-ray diffraction analysis.

An X-ray investigation was made of liquid solutions of cadmium in mercury. The X-ray photographs were obtained in copper radiation, monochromatized by means of a curved quartz crystal. The photographs were made from the free surface of the liquid alloy in a vacuum chamber with a radius of 38 mm. During the exposure of the photograph the temperature of the sample was
(Metallurgy, TT, v. 7, no. 1) (over)

62-13393

I. Karlykov, D. M.
II. Translations, New York

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

Radial Distribution of Charged Particle Concentrations in a Magnetic Ion Source, by M. D. Gabovich, Yu. B. Yermolovich, 11 pp.
UKRAINIAN, per, Ukrains'kiy Fiz Zhur, Vol II, No 2, 1957, pp 165--173. 9695837
FTD-TT-64-442

Sci - Phys
Feb 65

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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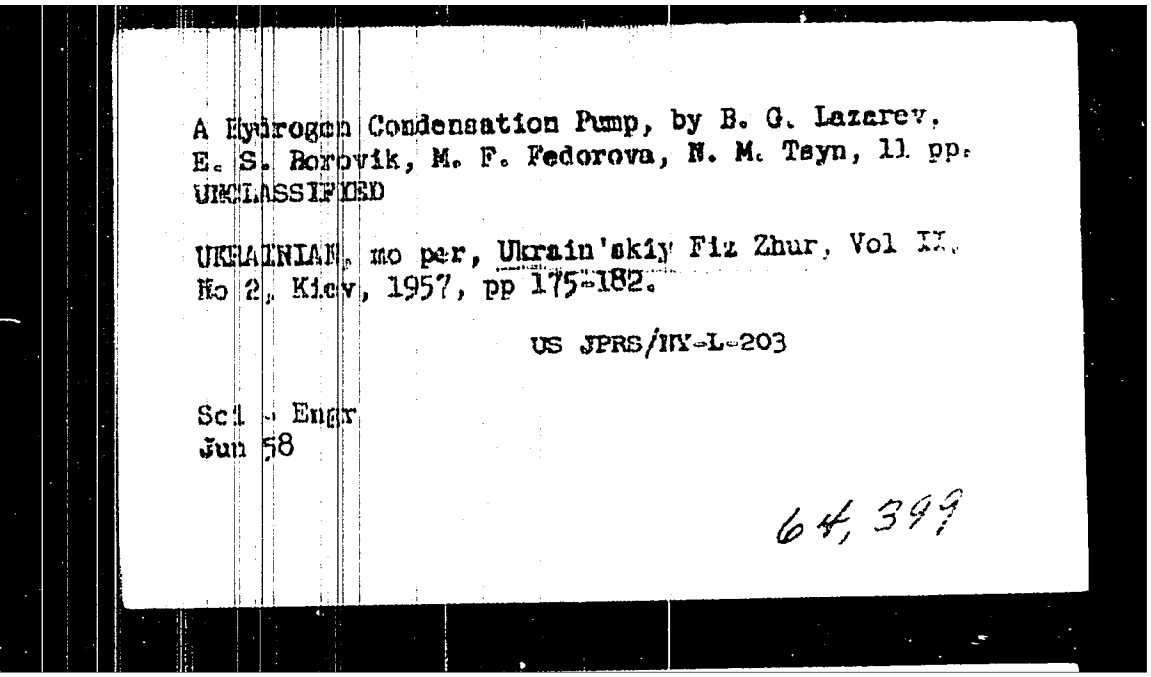

A Hydrogen Condensation Pump, by B. G. Lazarev, E. S. Borovik, M. F. Fedorova, N. M. Teyn, 11 pp. UNCLASSIFIED

UKRAINIAN, no per, Ukrain'skiy Fiz Zhur, Vol II, No 2, Kiev, 1957, pp 175-182.

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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On Some Processes in an Oxide-Coated Thermocathode During Prolonged Operation, by Ya. P. Zingerman.
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RUSSIAN, per, Ukrainskiy Fiz Zhur, No 2, 1957, pp 183-188.

DSIR LLU RTS 1028

Sci - Chem
Jul 59

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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Theory of the Electrical Resistance of Alloys, by A. Smirnov.

RUSSIAN, per, Ukrain Fiz Zhur, Vol II, No 3, 1957, pp 211-215.

CSIRO 3919

Sci - Min/Met
Aug 62

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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1819-N

Experimental Investigations and Certain Questions in the Theory of Cassarton Filters, by B. Ya. Braude, A. V. Men', O. M. Lebedeva, 18 pp.

UKRAINIAN, per, Ukrains'kyy Fizychnyy Zhurnal, Vol II, No 3, Kiev, 1957, pp 274-291.

US JPRS Tr L-613-N

Sci - Electronics
Jan 59

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ON THE ORIGIN OF X-RAY SATELLITES, BY
S. M. KARL'NYK, S. B. NYZHNYK.

RUSSIAN, PER, UKRAIN FIZ ZHUR, VOL 11, NO 4,
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OFFICE OF AEROSPACE RES
UNITED STATES AIR FORCE

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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On the Structure of Molten Au-Sn Compounds,
by A. P. Skyshevskiy. UNCL

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1957, pp 363-365.

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Sci - Chem
Jul 59

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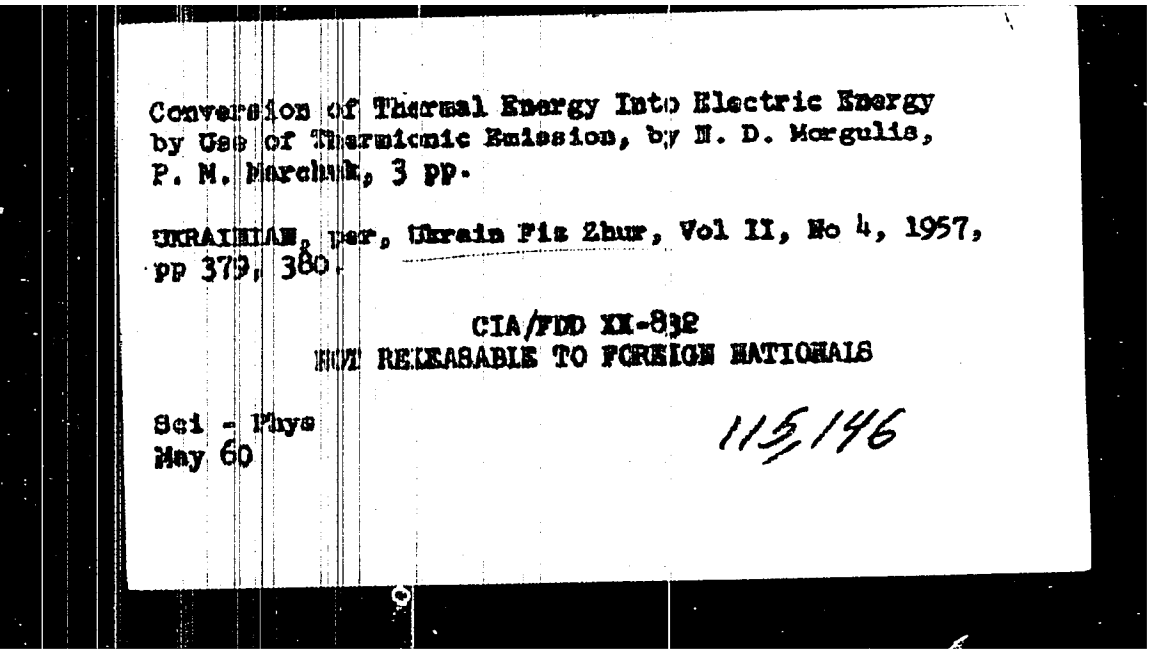

Conversion of Thermal Energy Into Electric Energy by Use of Thermionic Emission, by M. D. Morgulis, P. M. Marchuk, 3 pp.

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CIA/FDD XX-832
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys
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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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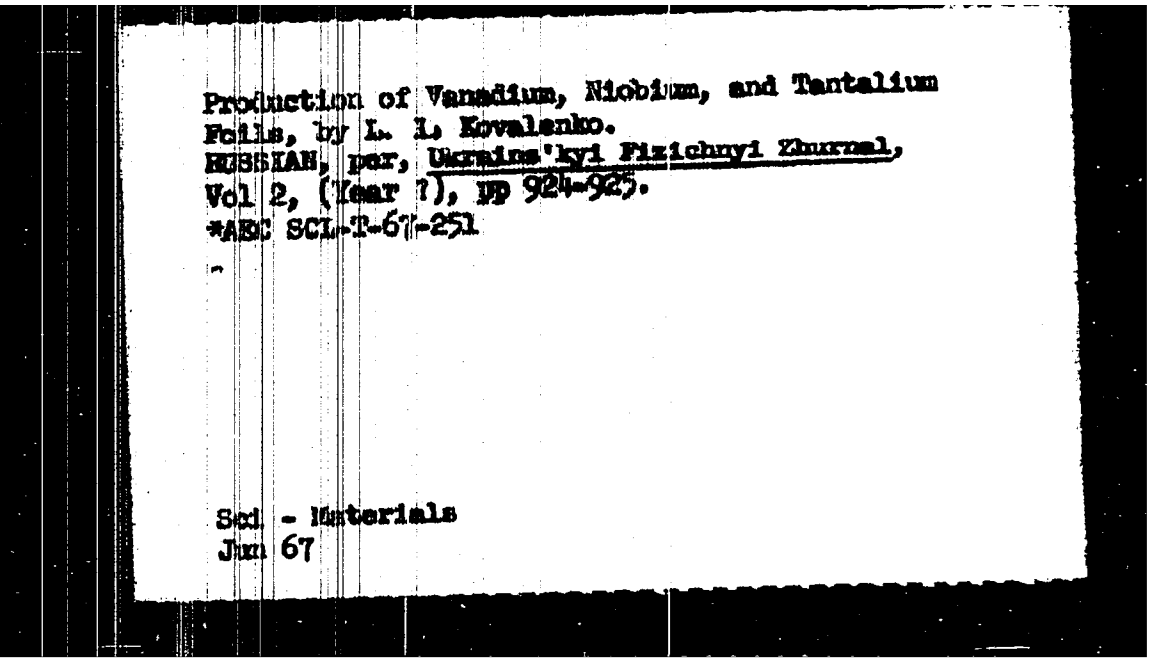

Production of Vanadium, Niobium, and Tantalium
Foils, by L. I. Kovalenko.
RUSSIAN, per, Ukrains'kyi Fizichnyi Zhurnal,
Vol 2, (Year ?), pp 924-925.
*AEC SCL-T-67-251

Scd - Materials
Jun 67

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

Investigation of Atomic Mobility at High-Temperature Axial Compression in Ferrite Type Alloys, by I. Ya. Kakhtyar.
UKRAINIAN, per, Ukr Fiz Zh, Vol 3, 1958, pp 516-520.
*CFSTI TT 70-59088

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

Effect of Volume Pressure on the Self-diffusion of Fe in Fe Alloys with Small Additions of Al, by S. D. Gertsriken.
UKRAINIAN, per, Ukr Fiz Zh, Vol 3, 1958, pp 651-658.
*CFSTI TT 70-59070

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

On the Movement of Atoms in Metals in the Region of the Temperature Recrystallization, by L. N. Larikov.
UKRAINIAN, per, Ukr Fiz Zh, Vol 3, 1958, pp 668-671.
*CFSTI TT 70-59077

Sci-
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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

Exchange of Charge Between Cesium Ions and Atoms,
by R. M. Kushnir.

UKRAINIAN, per, Ukrainskiy Fiz Zhur, Vol III, 1958,
pp 788-794. CIA 654344

ATIC MCL-114/V

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Sci. - Phys

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Telecom 61070

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

Morgulis, N. D. and Marchuk, P. M.
INVESTIGATION OF A CESIUM ARC RECTIFIER.
[1963] [17]p. (figs. omitted) 11 refs.
Order from OTS or SLA $1.60 63-18439

Trans. of Ukrayins'kyi Fizychnyi Zhurnal (USSR) 1958, v. 3, no. 1, p. 95-103.

DESCRIPTORS: *Cesium electron tubes, *Rectifiers, Electron tubes, Cathodes (Electron tubes), Nickel, Tungsten, Design, Operation.

Results are presented of an investigation carried out on the various properties of a cesium arc rectifier. A special feature of this rectifier is that it makes it possible to obtain a very high discharge current density on the cathode (C) with a rather small potential drop U_a. This is connected with the formation of an active cesium film on the surface of cathode, as well as with the easy (Engineering--Electronic, TT, v. 10, no. 9) (over)

63-18439

I. Morgulis, N. D.
II. Marchuk, P. M.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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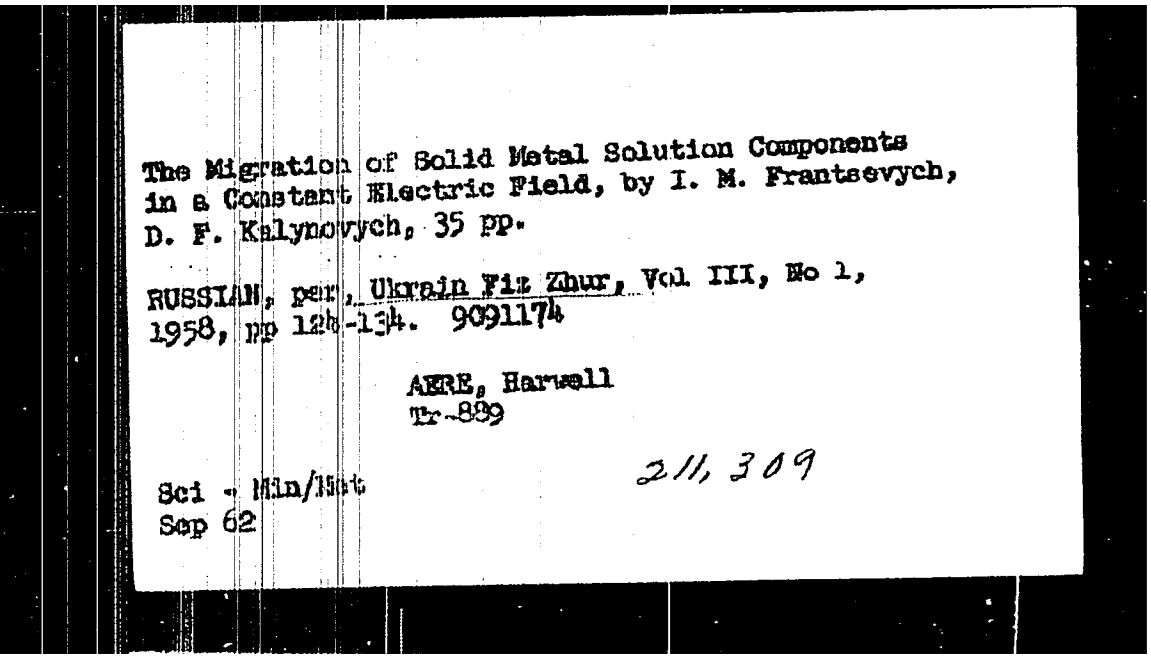

The Migration of Solid Metal Solution Components in a Constant Electric Field, by I. M. Frantsevych, D. F. Kalynovych, 35 pp.

RUSSIAN, per, Ukrain Fiz Zhur, Vol. III, No 1, 1958, pp 128-134. 9091174

AERE, Harwell
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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

On the Thermoelectromotive Force of Certain Metallic Borides and Carbides in Combination with Copper, by G. V. Samsonov, N. S. Strel'nikova, 5 pp. UNCLASSIFIED

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Sci - Phy

Jun 59

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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On the Theory of Semiconductor Resistance in Strong Magnetic Fields, by A. Yu. Glauberman, O. M. Musichuk, 10 pp.

RUSSIAN, Zhe, Ukr Fiz Zhur, Vol III, No 2, 1958, pp 178-184.

SIA 59-10239

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Vol 3, No 2

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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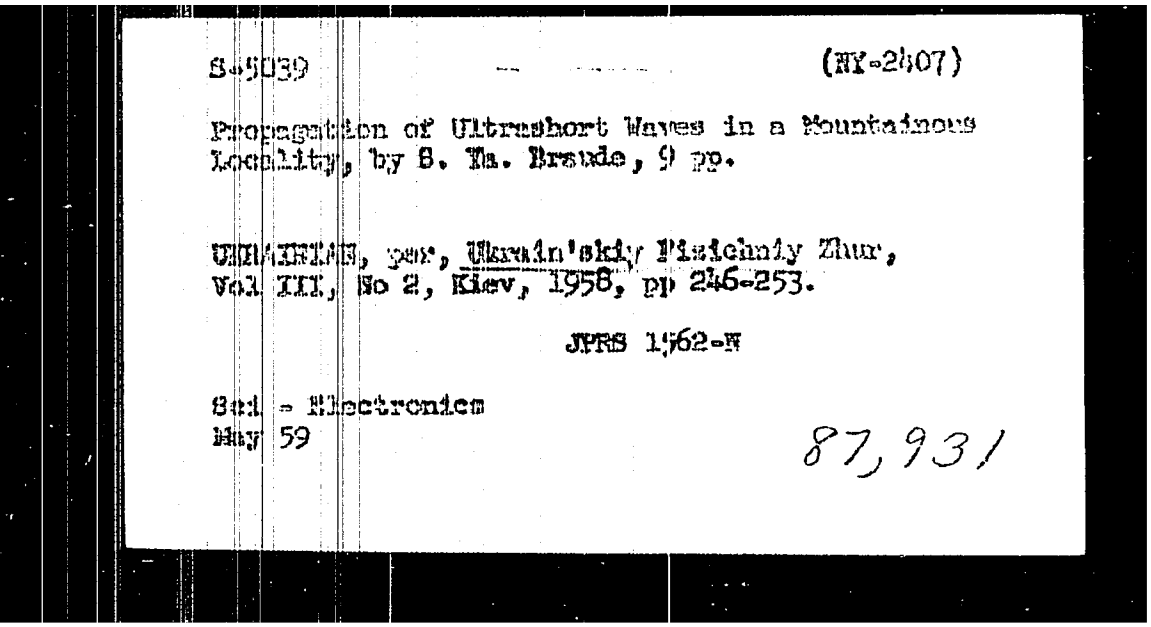

S/539 (NY-2607)

Propagation of Ultrashort Waves in a Mountainous Locality, by B. Ya. Braude, 9 pp.

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JPRS 1762-N

Rad - Electronics
May 59

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Self Diffusion of Fe and Diffusion in Fe Containing Small Amounts of Al, by S.D. Gertsriken, et al, 9 pp.
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*CFSTI TT 70-57058

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

The Effect of Geometrical Distortions of the Crystal Lattice on X-Ray and Thermal Neutron Scattering by Multiconstituent Unordered Solid Solutions, by M.A. Krivoglaz, E.A. Tikhonova. UKRAINIAN, per, Ukrainskii Fizichnii Zhurnal, Vol 3, No 2, 1958, pp 297-312. P91116966
ABC BNL-tr-104

Sci/Physics
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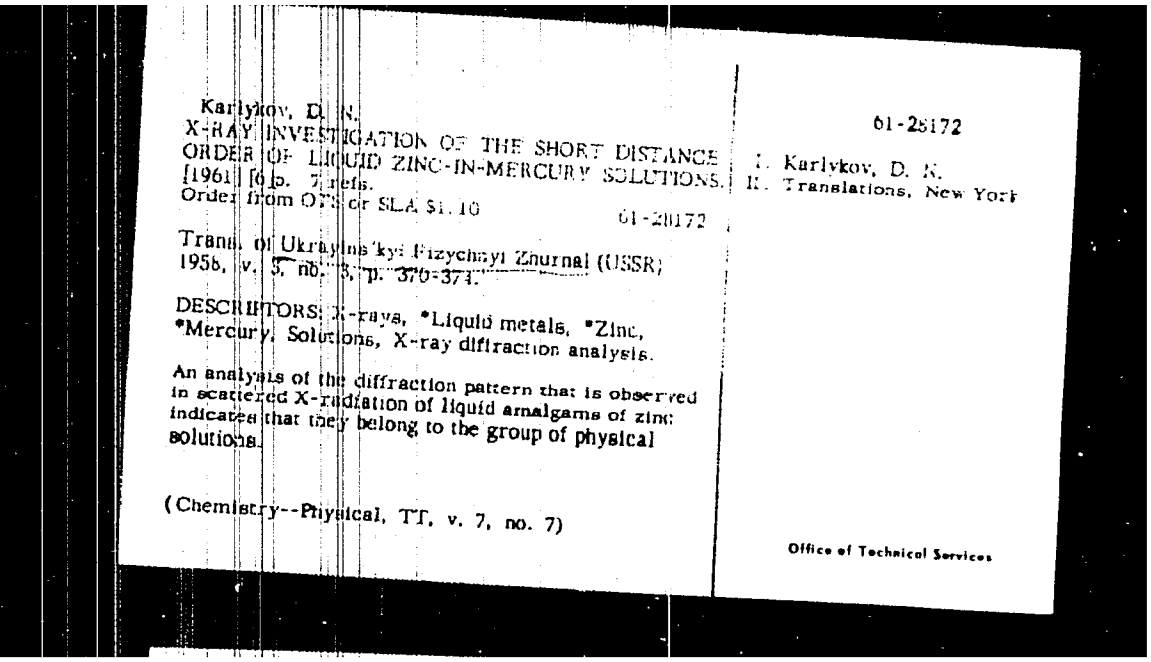

Karlykov, D. N.
X-RAY INVESTIGATION OF THE SHORT DISTANCE ORDER OF LIQUID ZINC-IN-MERCURY SOLUTIONS. [1961] 6 p. 7 refs.
Order from OTS or SLA $1.10 61-28172

Trans. of Ukrayins'kyi Fizychnyi Zhurnal (USSR) 1956, v. 1, no. 3, p. 370-374.

DESCRIPTORS: X-rays, *Liquid metals, *Zinc, *Mercury, Solutions, X-ray diffraction analysis.

An analysis of the diffraction pattern that is observed in scattered X-radiation of liquid amalgams of zinc indicates that they belong to the group of physical solutions.

(Chemistry--Physical, TT, v. 7, no. 7)

61-28172

I. Karlykov, D. N.
II. Translations, New York

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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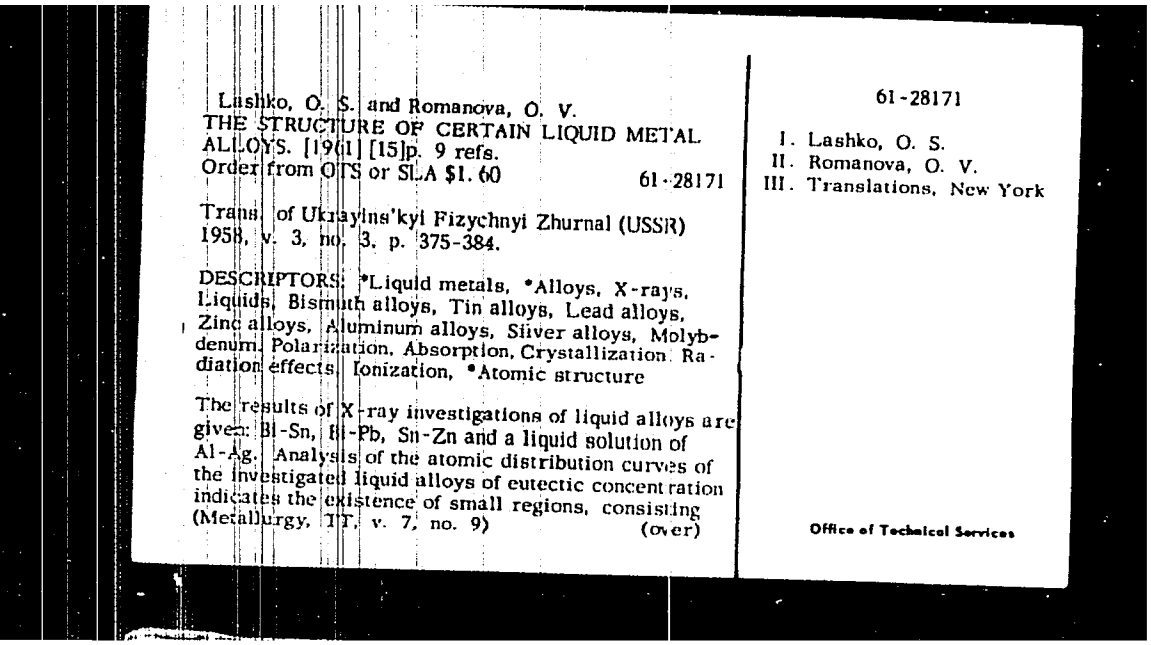

Lashko, O. S. and Romanova, O. V.
THE STRUCTURE OF CERTAIN LIQUID METAL ALLOYS. [1961] [15]p. 9 refs.
Order from OTS or SLA $1.60 61-28171

Trans. of Ukrayins'kyi Fizychnyi Zhurnal (USSR) 1958, v. 3, no. 3, p. 375-384.

DESCRIPTORS: *Liquid metals, *Alloys, X-rays, Liquids, Bismuth alloys, Tin alloys, Lead alloys, Zinc alloys, Aluminum alloys, Silver alloys, Molybdenum, Polarization, Absorption, Crystallization, Radiation effects, Ionization, *Atomic structure

The results of X-ray investigations of liquid alloys are given: Bi-Sn, Bi-Pb, Sn-Zn and a liquid solution of Al-Ag. Analysis of the atomic distribution curves of the investigated liquid alloys of eutectic concentration indicates the existence of small regions, consisting
(Metallurgy, TT, v. 7, no. 9) (over)

61-28171

I. Lashko, O. S.
II. Romanova, O. V.
III. Translations, New York

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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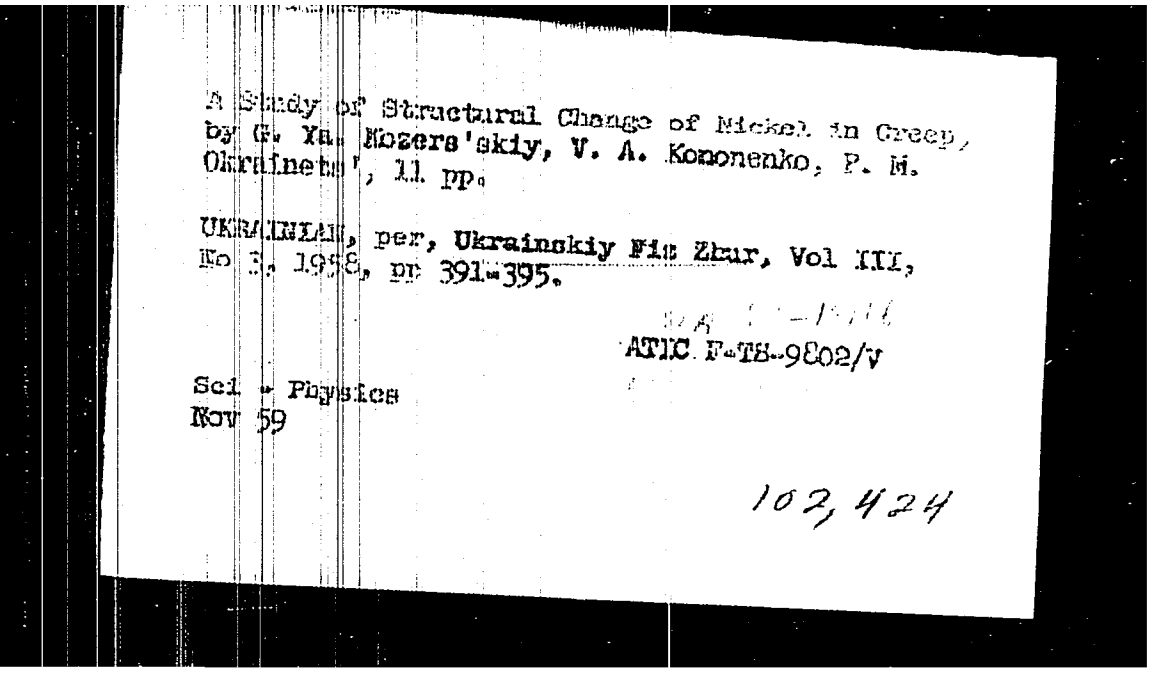

A Study of Structural Change of Nickel in Creep, by G. Ya. Kozers'skiy, V. A. Kononenko, P. M. Okrainets', 11 pp.

UKRAINIAN, per, Ukrainskiy Fiz Zhur, Vol III, No 3, 1958, pp 391-395.

ATIC F-TS-9802/V

Sci - Physics
Nov 59

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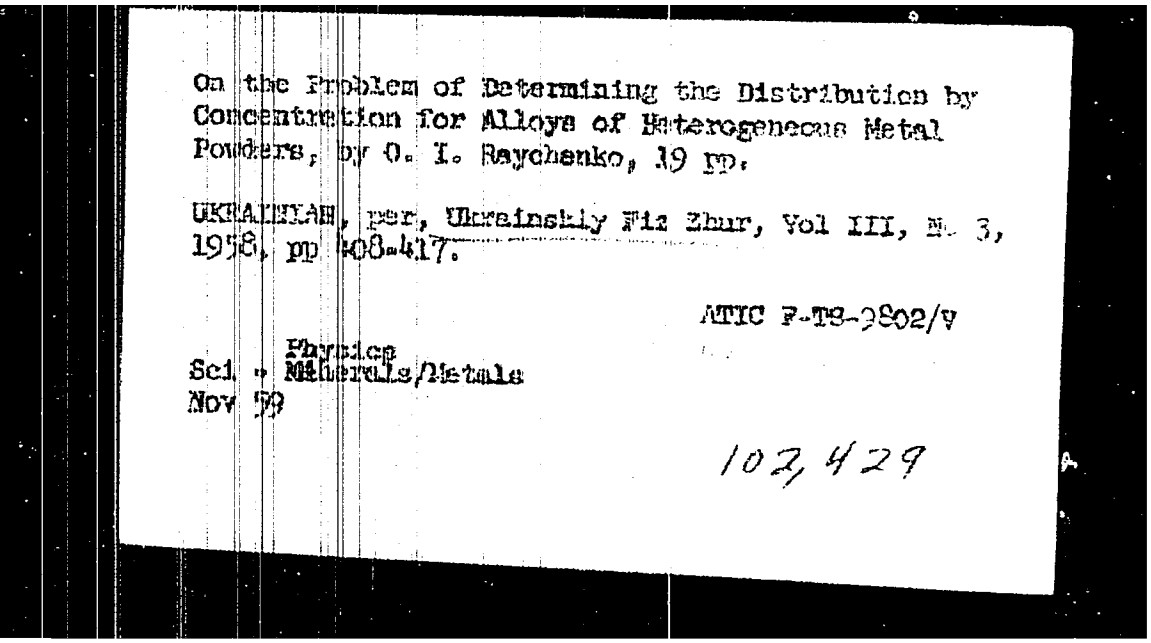

On the Problem of Determining the Distribution by Concentration for Alloys of Heterogeneous Metal Powders, by O. I. Raychenko, 19 pp.

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ATIC F-TS-2802/V

Sci - Physics
Materials/Metals
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Simple Waves In Magnetohydrodynamics, by A. I. Akhiyezer, G. Ya. Lyubarskiy, R. V. Polovin, 6 pp.

RUSSIAN, per, Ukr Fiz Zhur, Vol III, No 4, 1958, pp 433-438.

MDP A-139

Sci - Electron
Sep 59
Vol 2, No 1

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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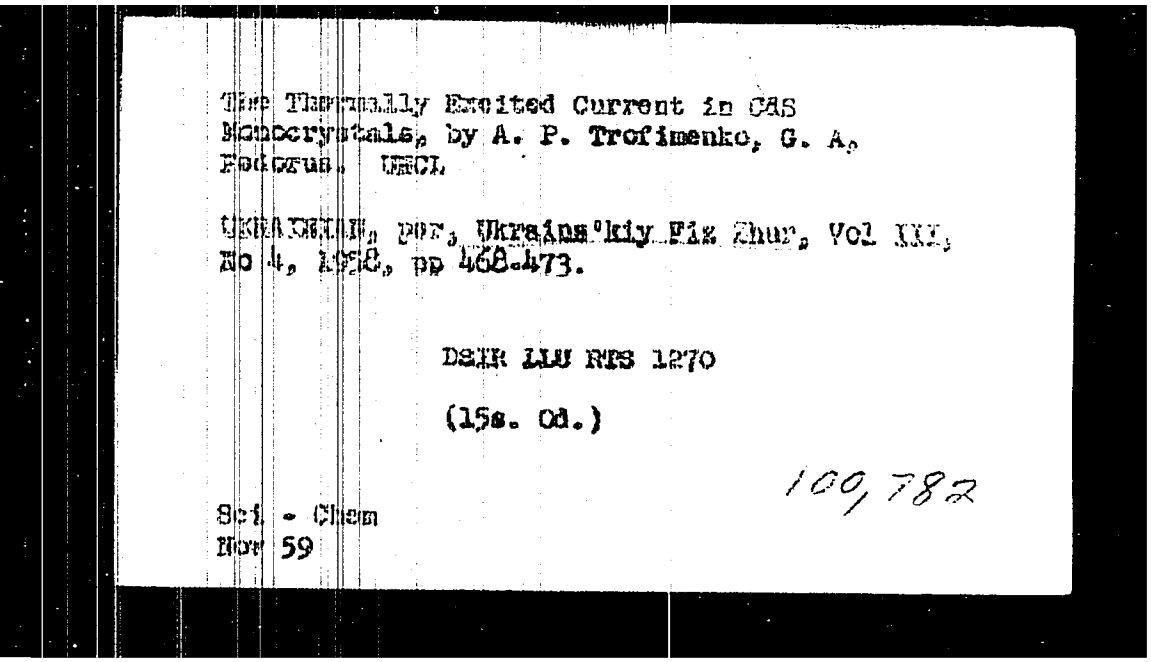

The Thermally Excited Current in CdS Monocrystals, by A. P. Trofimenko, G. A. Fedorus, UkrSR

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DSIR LLU RTS 1270

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Migration of Silver on Passage of Direct Current Through It, by P. Kuz'menko, E. Khar'kov.

UKRAINIAN, per, Ukrains'kii Fizichniy Zhurnal, Vol III, No 4, 1958, pp 528-535.

CSIRO Tr 5036

61-15304

Sol - Elec Phys

Jun 61.

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

THE MIGRATION OF SOLID METAL SOLUTION COMPONENTS IN A CONSTANT ELECTRIC FIELD, BY I. M. FRANTSEVYCH, ET AL.

UKRAINIAN, PER, UKRAIN FIZ ZHUR, VOL III, NO 1, PP 64-67, NO 4, 1958, PP 552-559.

NLL M. 6357

SCI - PHYS

OCT 62

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

Simple Magnetosonic Waves, by G. Ya. Lyubarskiy, R. V. Polovin, 4 pp.

RUSSIAN, pub, Ukr Fiz Zhur USSR, Vol III, No 5, 1958, pp 567-570.

[illegible] L-123

Sci - Electron
Sep 59
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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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On the Impossibility of Rarefaction Shockwaves in Magnetohydrodynamics, by R. V. Polovin, G. Ya. Lyubarskiy, 3 pp.

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MMF P-134

Sci - Electron
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97, 761

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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Absorption of Barium Atoms and Barium Oxide Molecules on Tungsten, by Yu. S. Vechula, V. M. Gavrilyuk.

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ATIC MCL-39/1

Sol - Chemistry

Telecom 40697

Jul 61

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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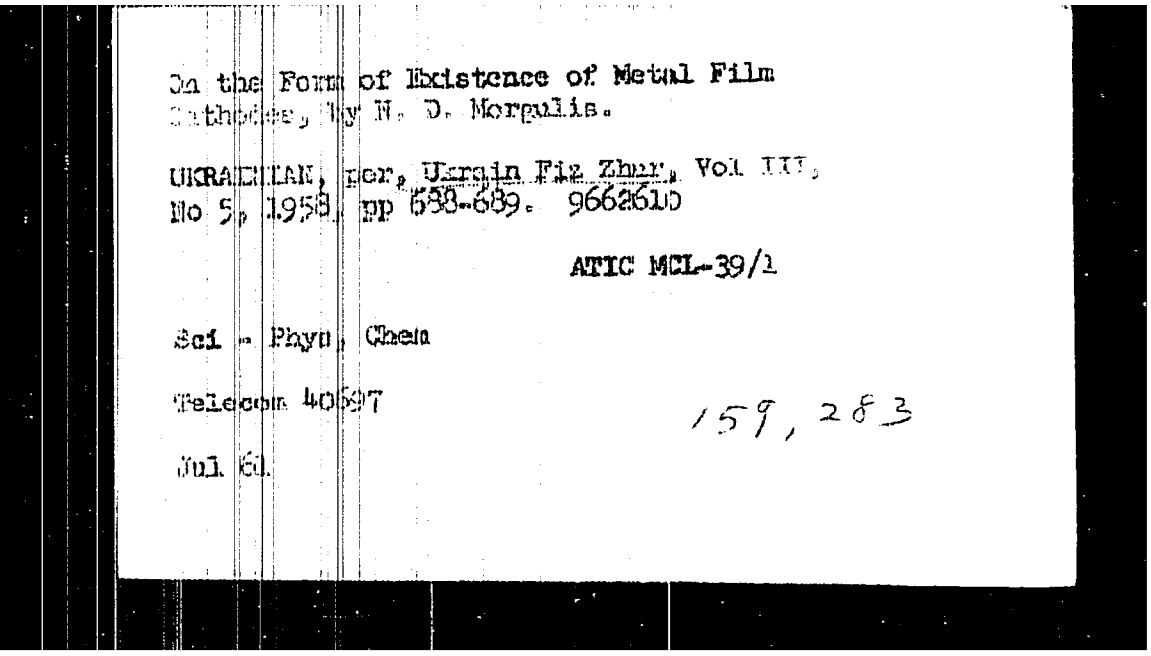

On the Form of Existence of Metal Film
Cathodes, by N. D. Morgulis.

UKRAINIAN, per, Ukrain Fiz Zhur, Vol III,
No 5, 1958, pp 688-689. 9662610

ATIC MCL-39/1

Sci - Phys, Chem

Telecon 40597

Jul 61

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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Utilizing the Action of a Magnetic Field on Penetrating Plasma When Obtaining Intense Ionic Beams, by M. D. Gabovich.

UKRAINIAN, per, Ukrain Fiz Zhur, Vol III, No 5, 1958, pp 693, 694. 9662610

ATIC MCL-39/1

Sci - Phys

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Eigenfrequencies and Amplitudes and Specific Heat of KBr, by O. A. Demidenko Z. O. Demidenko, et al, 7 pp. RUSSIAN, per, Ukrayin Fiz Zhur, Vol III, No 6, 1958, pp 728-741. 92:9339

AERE-Harwell-Tr-974

Sci-Phys
Mar 64

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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Characteristics of Curves of the Intensity of X-Ray Scattering and Curves of the Atomic Distribution of Liquid Mwetals, by I. V. Radchenko, I. M. Shapovalov, 15 pp. [illegible] UKRAINIAN, per, Ukrayin Fiz Zhur, Vol IV, No 1, 1959, pp 5-16.

JPRS 23510

Sci-Mat & Met
Mar 64

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

Forces of Ion Interaction and Equations of Ion Lattice Vibrations, Found by Means of a Multi-Electron Treatment of Ion States and an Adiabatic Approximation, by K. B. Tolpyho, 23 32 pp.
RUSSIAN, per, Ukrayin Fiz Zhur, Vol IV, No 1, 1959, pp 72-91. 9219337

AERE-Harwell-Tr-9575

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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On the Question Regarding the Sign of Electroconductivity of Evaporated Germanium Films, by Yu. G. Ptushinskiy, Yu. A. Lupan, 2 pp.

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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On Thermal Vacancies in Metals and alloys, by S. D. Gertsriken, UKRAINIAN, per, Ukr Fiz Zh, Vol 4, 1959, pp 137-149.
*CFSTI TT 70-59090

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On the Statistical Theory of Ionic Systems, by I. R. Yukhnovskiy, 13 pp.

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AEC UCRL-Trans-670(L)

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Electrotransport in Hard Aluminum, by
P.P. Kuzmenko, et al.
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1959, pp. 401-402
*CFSTI TT 70-57069

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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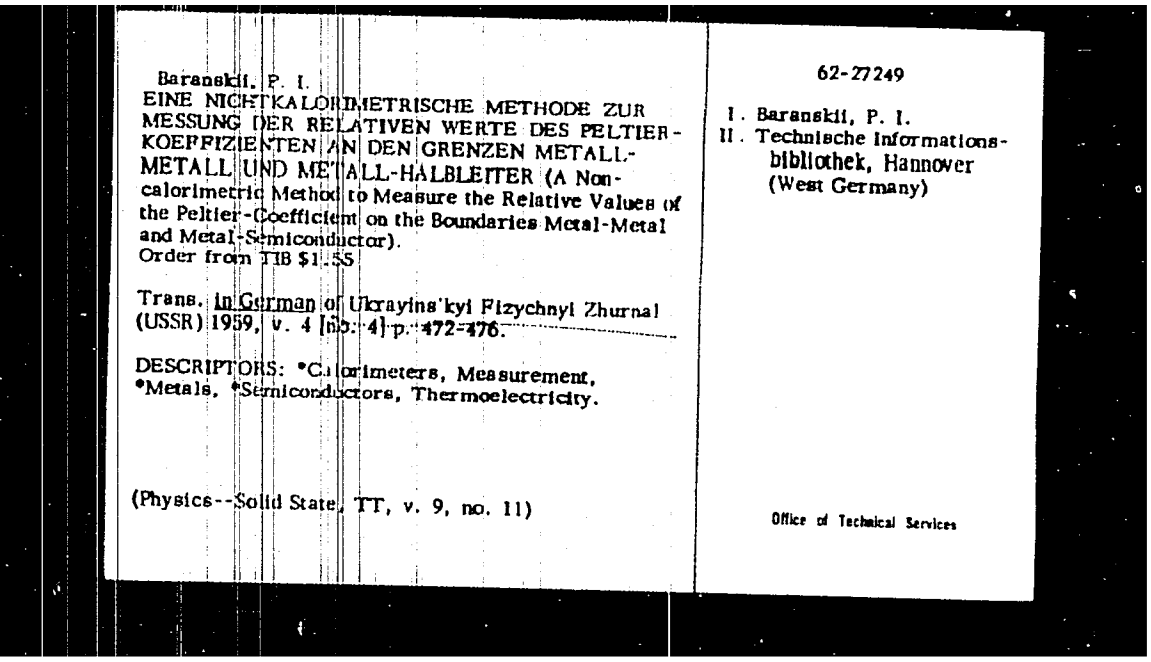

Baranskii, P. I.
EINE NICHTKALORIMETRISCHE METHODE ZUR MESSUNG DER RELATIVEN WERTE DES PELTIER-KOEFFIZIENTEN AN DEN GRENZEN METALL-METALL UND METALL-HALBLEITER (A Non-calorimetric Method to Measure the Relative Values of the Peltier-Coefficient on the Boundaries Metal-Metal and Metal-Semiconductor).
Order from TIB $1.55

Trans. in German of Ukrayins'kyi Fizychnyi Zhurnal (USSR) 1959, v. 4 [no. 4] p. 472-476.

DESCRIPTORS: *Calorimeters, Measurement, *Metals, *Semiconductors, Thermoelectricity.

(Physics--Solid State, TT, v. 9, no. 11)

62-27249

I. Baranskii, P. I.
II. Technische Informations-bibliothek, Hannover (West Germany)

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*CFSTI TT 70-59068 1959

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Blagoi, Yu. P.
DENSITIES OF SOLUTIONS OF CONDENSED GASES Ar--CH_4, N_2--CH_4. [1963] [19]p. 11 refs.
Order from OTS or SLA $1.60 63-19976

C.

Trans. of Ukrayins'kyi Fizychnyi Zhurnal (USSR) 1959, v. 4 [no. 5] p. 577-585.

DESCRIPTORS: *Liquefied gases, Density, *Argon, *Methanes, *Nitrogen, Molecular association, Volume, Mathematical analysis, Solutions.

The densities of solutions of condensed gases Ar--CH_4 and N_2--CH_4 were measured. The volumes of these solutions were found to be nonadditive. A correlation was established between the excess volume of mixing, on the one hand, and the energy of mixing and compressibility of the solution, on the other. The experimental results were compared with theoretical values, satisfactory agreement being achieved. (Author)
(Chemistry--Physical, TT, v. 10, no. 9)

63-19976

I. Blagoi, Yu. P.
II. Department of the Interio
Washington, D. C.

Dept of Interior
TNT Exp No. 1 Pt 2

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On the Theory of Electrodiffusion in Metals and other Solids, by M. D. Glinchuk.
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*CFSTI IT 70-59072

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NASA TT F-10,275

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THE TITANIUM PUMP, BY I. O. GRISHAYEV, ET AL.

UKRAINIAN, PER, UKRAIN FIZ ZHUR, VOL IV,
NO 6, 1959, PP 750-754.

NLL RTS 2060

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Determination of the Density of Dislocations Arising During the Deformation of Ni, Ag, Al and Certain Ag-Alloys, by S. D. Hertsriken, N. N. Novikov, 29 pp.

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Sci - Chemistry
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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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Study of the Atom Position in Solid Alloys if Fe-Al by the Method of Electro-transport, by S. D. Gertsriken.
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*CFSTI TT 70-59075

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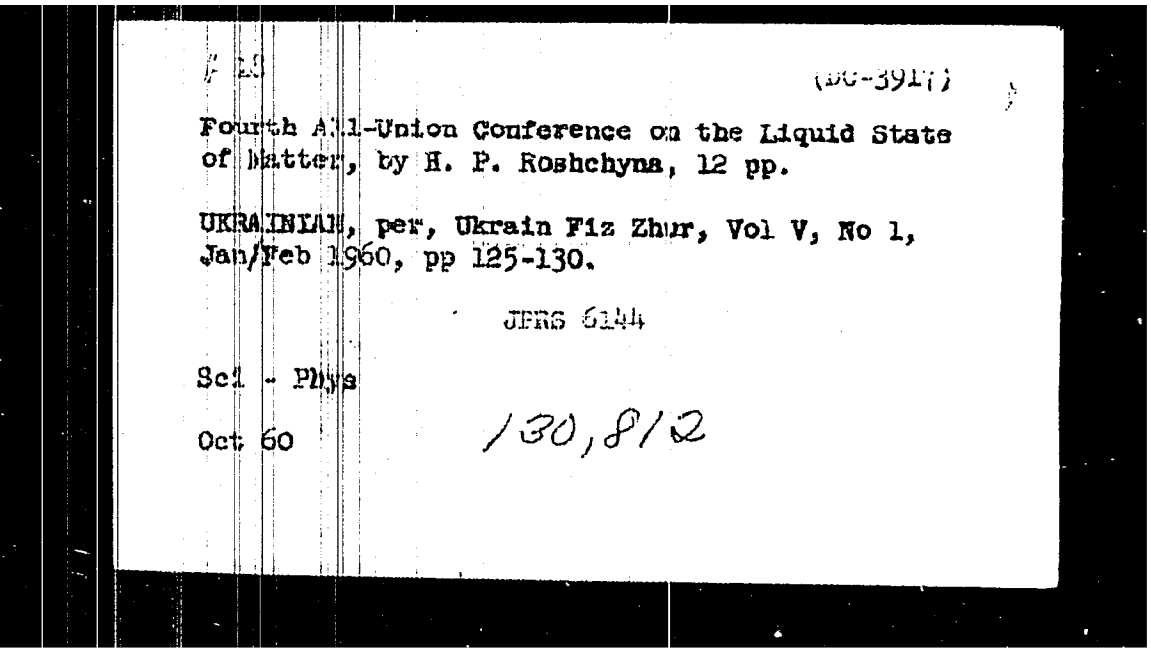

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JPRS 6144

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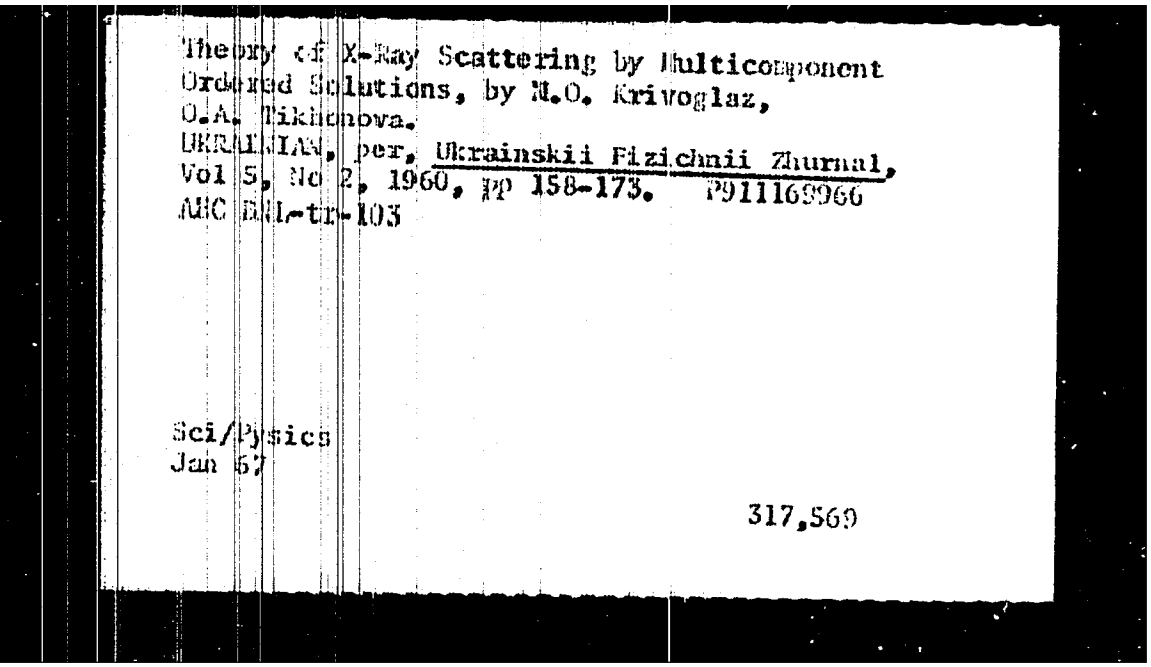

Theory of X-Ray Scattering by Multicomponent Ordered Solutions, by M.O. Krivoglaz, O.A. Tikhonova.
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AEC BNL-tr-103

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RUSSIAN, per, Ukrainskiy Fizichniy Zhurnal, Vol 5, No 2, 1960, pp 174-189. P911156067
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Study of the Fundamental Edge of K Absorption of Iron and Vanadium X-Rays in Their Alloys in Two Modifications, by L. G. Nikolayeva, S. M. Karal'nik.

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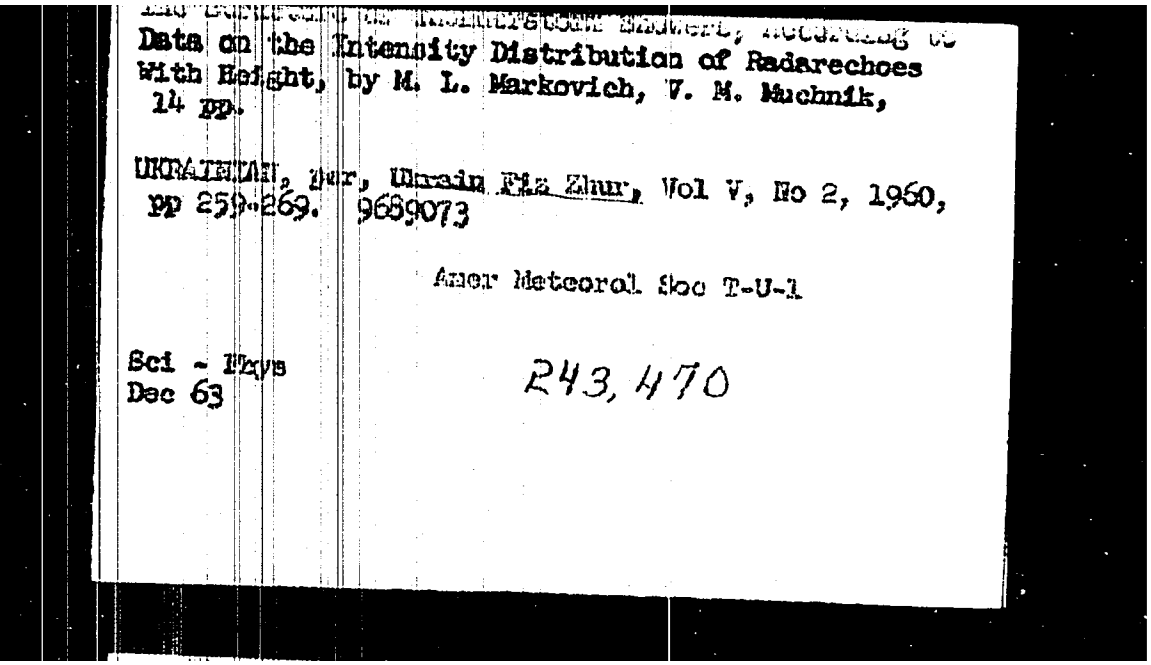

Data on the Intensity Distribution of Radarechoes With Height, by M. L. Markovich, V. M. Muchnik, 14 pp.

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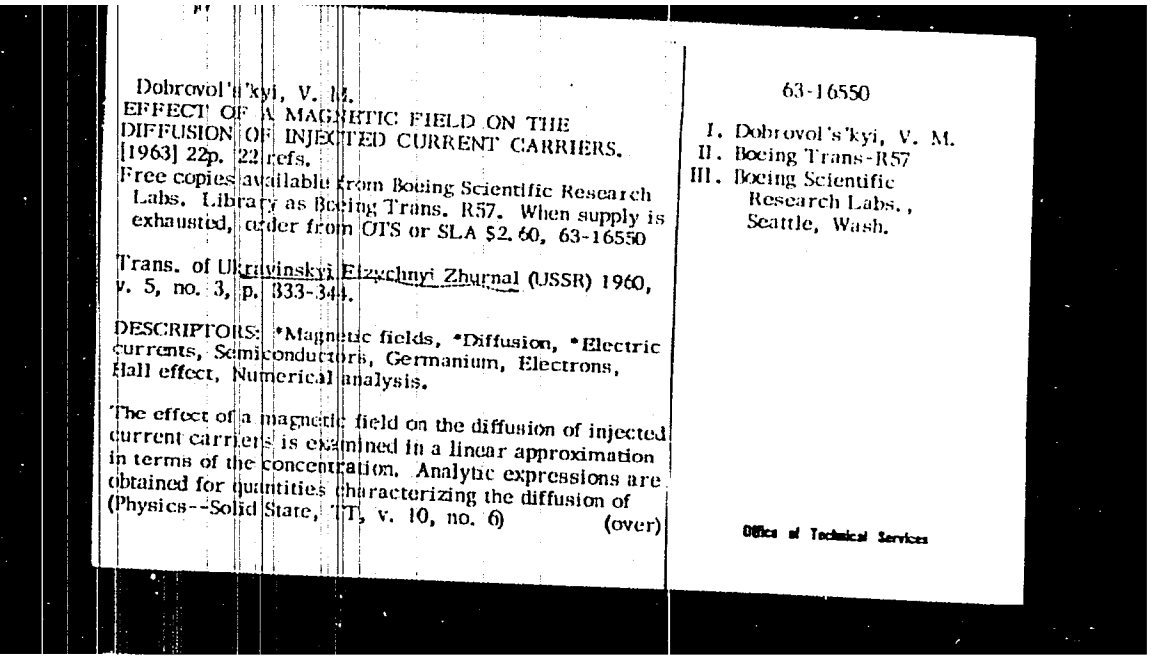

Dobrovol'skyi, V. M.
EFFECT OF A MAGNETIC FIELD ON THE DIFFUSION OF INJECTED CURRENT CARRIERS. [1963] 22p. 22 refs.
Free copies available from Boeing Scientific Research Labs. Library as Boeing Trans. R57. When supply is exhausted, order from OTS or SLA $2.60, 63-16550

Trans. of Ukrayinskyi Fizychnyi Zhurnal (USSR) 1960, v. 5, no. 3, p. 333-344.

DESCRIPTORS: *Magnetic fields, *Diffusion, *Electric currents, Semiconductors, Germanium, Electrons, Hall effect, Numerical analysis.

The effect of a magnetic field on the diffusion of injected current carriers is examined in a linear approximation in terms of the concentration. Analytic expressions are obtained for quantities characterizing the diffusion of
(Physics--Solid State, TT, v. 10, no. 6) (over)

63-16550

I. Dobrovol'skyi, V. M.
II. Boeing Trans-R57
III. Boeing Scientific Research Labs., Seattle, Wash.

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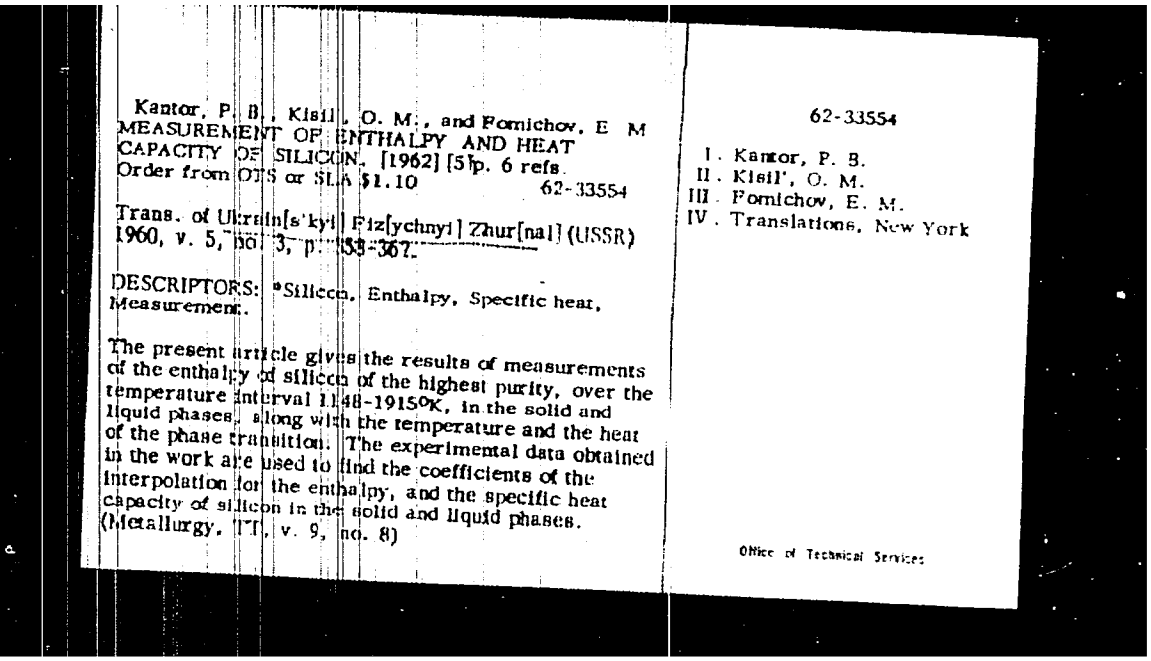

Kantor, P. B., Kisil', O. M., and Pomichov, E. M.
MEASUREMENT OF ENTHALPY AND HEAT CAPACITY OF SILICON. [1962] [5]p. 6 refs.
Order from OTS or SLA $1.10 62-33554

Trans. of Ukrain[s'kyi] Fiz[ychnyi] Zhur[nal] (USSR) 1960, v. 5, no. 3, p. 353-367.

DESCRIPTORS: *Silicon, Enthalpy, Specific heat, Measurement.

The present article gives the results of measurements of the enthalpy of silicon of the highest purity, over the temperature interval 1148-1915°K, in the solid and liquid phases, along with the temperature and the heat of the phase transition. The experimental data obtained in the work are used to find the coefficients of the interpolation for the enthalpy, and the specific heat capacity of silicon in the solid and liquid phases. (Metallurgy, TT, v. 9, no. 8)

62-33554

I. Kantor, P. B.
II. Kisil', O. M.
III. Pomichov, E. M.
IV. Translations, New York

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Electrodiffusion in Sn, Pb, Ag, and Cu, by
P. P. Kuz'menko.
UKRAINIAN, per, Ukr Fiz Zh, Vol 5, 1960, pp 428-
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*CFSTI TT 70-59067

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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Determination of the Degree of Ionisation of Atoms in Crystal Lattices by the Electric Transfer Method, by P. P. Kuz'menko, XX Ye. I. Khar'kov, 3 pp.

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*AERE - Manuscr-Tr-977

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

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Magnetometer for the Study of Phase Changes During Rapid Heating and Cooling, by Yu. Ya. Meshkov.

RUSSIAN, per, Ukrain'skiy Fiz Zhur, Vol V, No 5, 1960, pp 252-258.

HB 5818

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NCH-200 630 Field 11B

Samsonov, G. V.; Tsebulya, G. G.
EFFECT OF CARBON AND TITANIUM ADDITIONS ON THE ELECTRICAL CONDUCTIVITY OF SILICON NITRIDE Vpliv Dobavok Vugletsyu i Titany Na Elektroprovidnist Nitridu Kremniyu). 15 Dec 64, 7p. TIL/T. 5523.
Order from NLL

Trans. of Ukrayinskyi Fizychnyi Zhurnal (USSR) v5 n5 p615-9 1960.
Another trans. is available from CFSTI or ETC HC$1.00, MF$0.50 as TT-65-61141.

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On the Theory of Nonstationary Light Scattering,
by I. A. Klimishin.

UKRAINIAN, per, Ukrainskiy Fiz Zhur, Vol V,
No 5, 1960, pp 620-627.

MDF K-249
9092900

Sci

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

Absolute Quantum Yield of Photo Luminescence of Synthetic Ruby at Room Temperature, by
V. N. Vishnevskiy, M. S. Pidzyrailo, 5 pp.

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MDF V-153
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Sci
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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

Dekhtyar, I. Ya. and Shalaev, A. M.
EFFECT OF GAMMA-RADIATION ON CERTAIN MAGNETIC PROPERTIES OF IRON AND ITS ALLOYS (V pliv Gamma-Opromin'yuvannya na Deyaki Magnitni Vlastivosti Zaliza i Ioho Splaviv). 11p. (foreign text included). 9 refs. DTC-2.
Order from OTS, ETC or DTC $1.05 62-28789

Trans. of Ukrayins'kyi Fizychnyi Zhurnal (USSR) 1960, v. 5, no. 5, p. 677-680.

DESCRIPTORS: *Iron, Iron alloys, Nickel alloys, *Magnetic properties, *Gamma rays.

(Metallurgy, TT, v. 10, no. 2)

62-28789

I. Dekhtyar, I. Ya.
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IV. Danish Translations Centre, Roskilde

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Diffusion and Electro-transport in AgZn Alloys,
by P. P. Kuz'menko.
UKRAINIAN, per, Ukr Fiz Zh, Vol 5, 1960, pp 683-
687.
*CFSTI TT 70-59066

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THE EFFECT OF AGEING ON THE FINE CRYSTAL STRUCTURE OF A NIMONIC-TYPE ALLOY WITH A LOW TITANIUM CONTENT, BY V. G. CHORNIY.

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NLL M. 3774

SCI - MIN/METALS

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Angular Distribution of Neutrons From 14 Million Electron Volts Energy Which Are Scattered by Atomic Nuclei, by V. I. Stryzhak, V. V. Bobyr, L. Ya. Grona, 5 pp.

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Study of the Ionic Charge in Pure Solid Metals by an Electro-transport Method of Thermal Vacancies, by P. P. Kuz'menko.
UKRAINIAN, per, Ukr Fiz Zh, Vol 5, 1960, pp 720-722.
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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220023-6

(NY-6287)

Electric and Photoelectric Properties of Single Crystals of Selenide and Sulfide of Antimony. I. Method of Growing Single Crystals of Sb_2Se_3 and Sb_2S_3, by A. F. Skubenko, 15 pp.

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JPRS 9288 155,047

Sci - Phys

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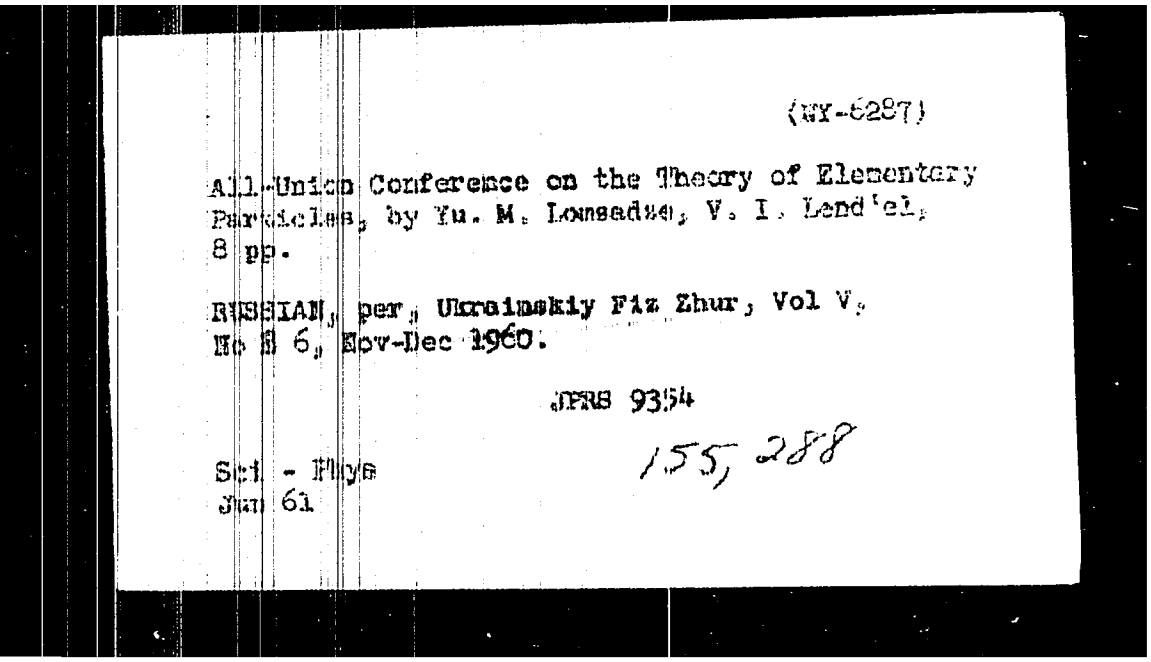

(NY-6287)

All-Union Conference on the Theory of Elementary Particles, by Yu. M. Lomsadze, V. I. Lend'el, 8 pp.

RUSSIAN, per, Ukrainskiy Fiz Zhur, Vol V, No 6, Nov-Dec 1960.

JPRS 9354

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Study of Electrical Transfer in Steels by the Method of Inert Tags, by S. D. Gertsriken et al. RUSSIAN, par. Ukrain. Fiz. Zh. 6, 1961, pp. 129-135. *CFSTI TT 70-57087

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Investigation of γ-Transitions in the $Co^{59}(p,n\gamma)$ Ni^{59} Reaction, by A. K. Valter, I. I. Zalyubovsky, 21 pp.
UKRAINIAN, per, Ukr. Fiz. Z., Vol 6, 1961, pp 318-332.
P911387367
AEC-ORNL-TR-1739

Sci-Nuclear Sci & Technology
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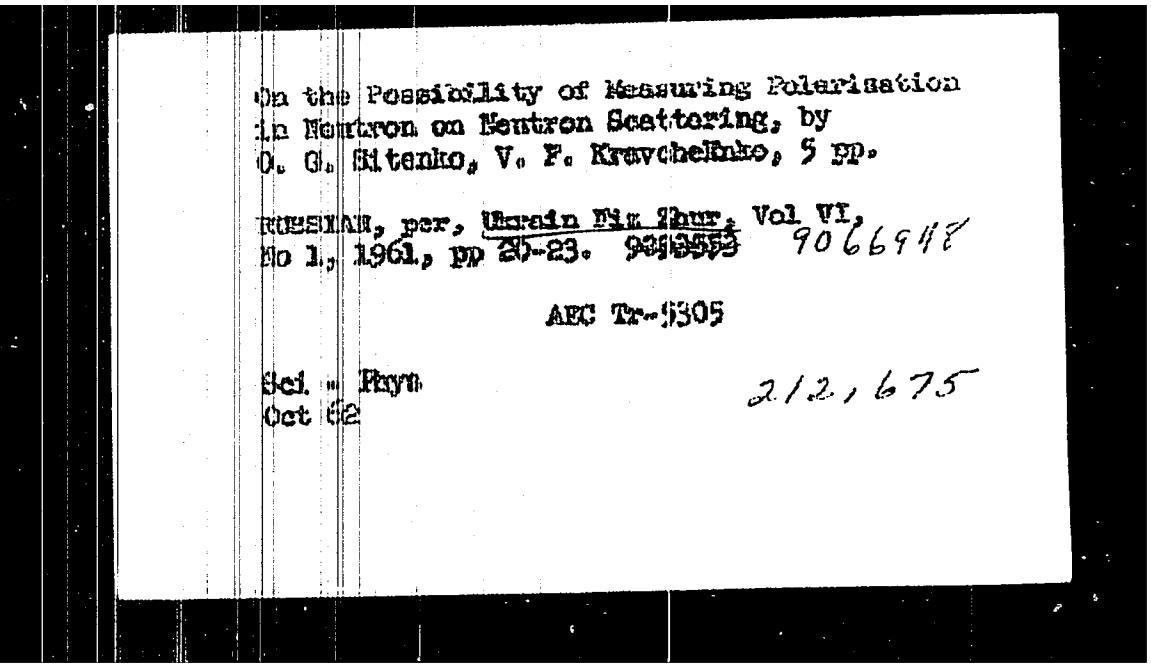

On the Possibility of Measuring Polarization in Neutron on Neutron Scattering, by O. G. Sitenko, V. F. Kravchelnko, 5 pp.

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AEC Tr-5305

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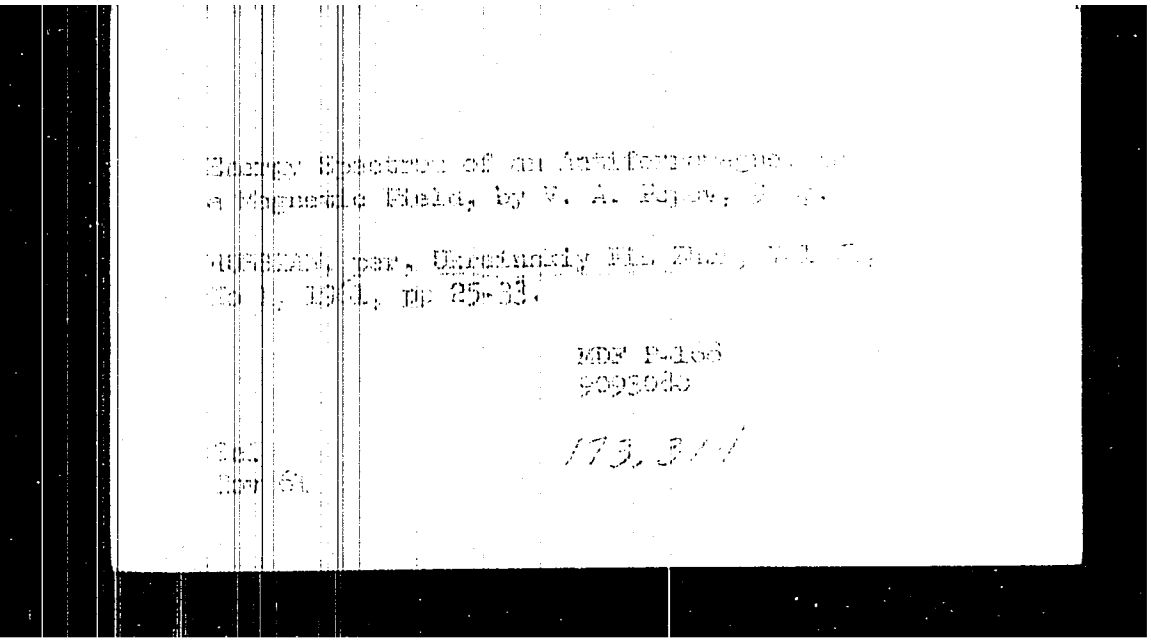

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[illegible], per, Universidy Pl. Phis, [illegible]
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On the Stability of a Tangential Discontinuity in a Rarefied Plasma, by L. D. Pickakhchi,

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*TTD-TT-63-132

Sci - Phys
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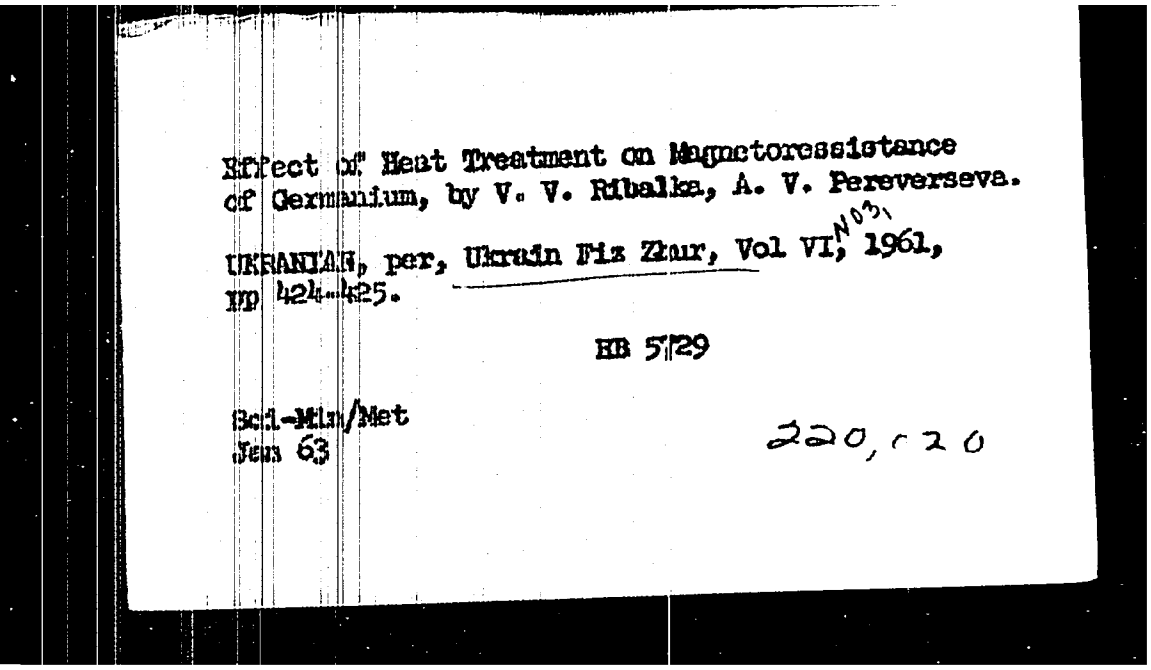

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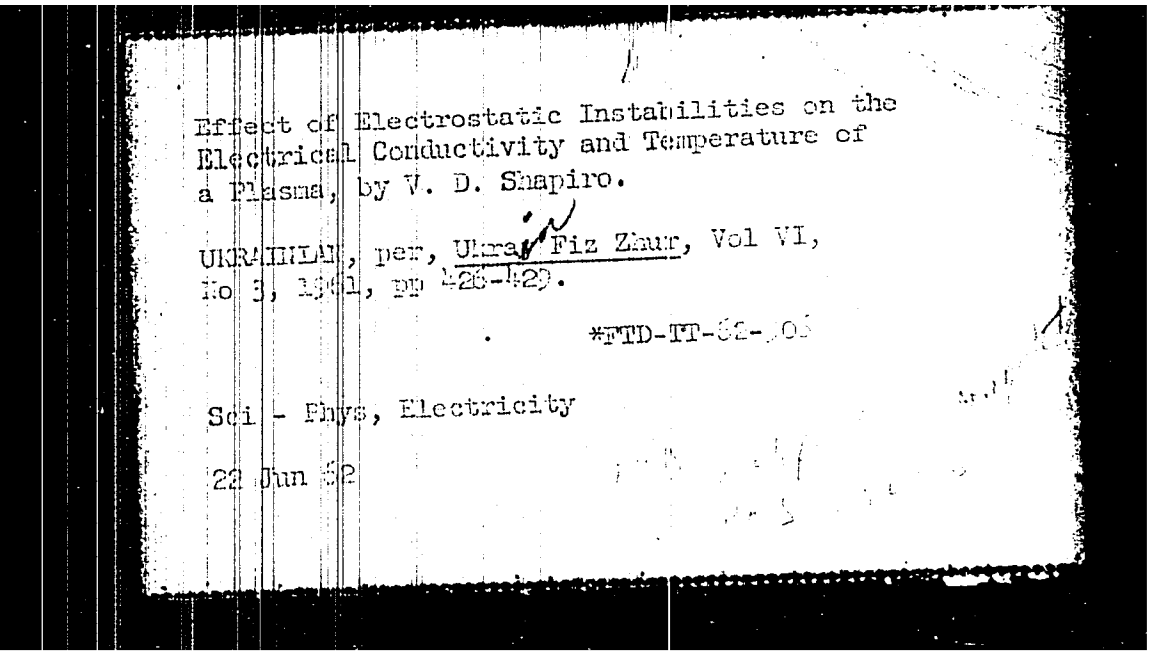

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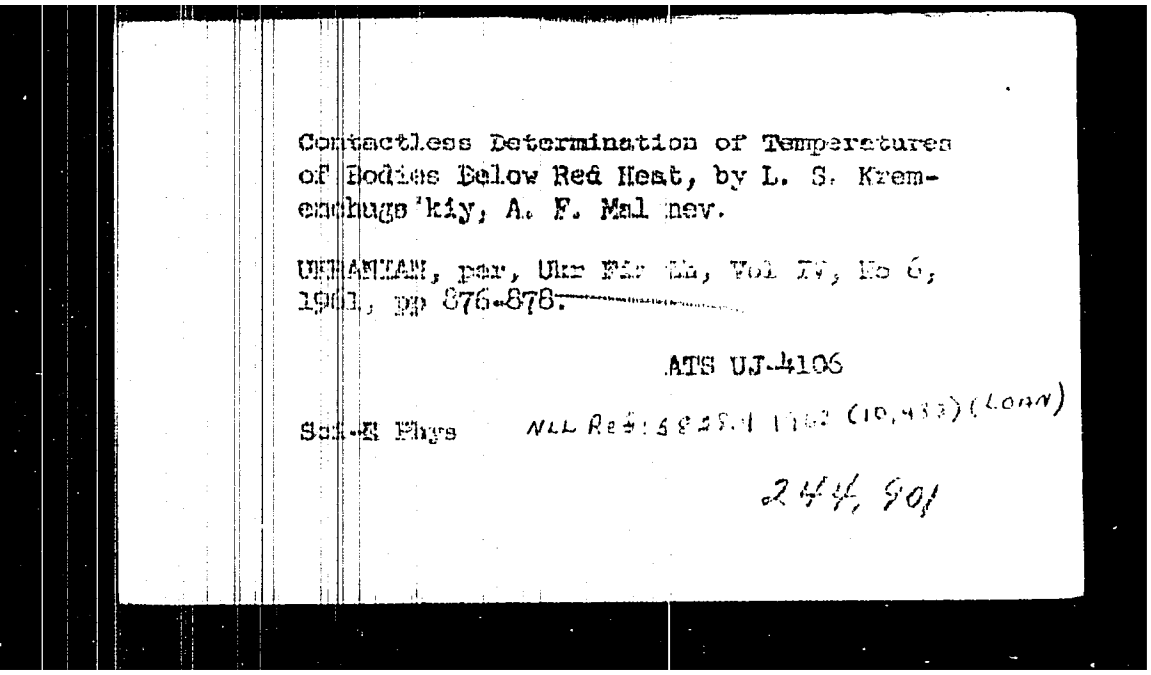

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